

In the claims:

B²

3. (Twice Amended) The device for measuring the angle of rotation according to claim 1, characterized in that the basic body is made of an electrically insulating material permeable to a magnetic field.

B³

8. (Twice Amended) The device for measuring the angle of rotation according to Claim 5, characterized in that the magnet of the basic body is sintered.

B⁴
SUB
C5

9. (New) A device for measuring the angle of rotation for an electrical machine with a shaft, comprising:
a commutator including electrically conductive segments concentrically arranged around a basic body mounted on the shaft wherein the basic body includes at least one magnetized section; and
a sensor responding to a magnetic field generated upon rotation of the commutator.

10. (New) The device for measuring the angle of rotation according to Claim 9, characterized in that the sensor has at least one Hall element penetrable by the magnetic field.

11. (New) The device for measuring the angle of rotation according to claim 10 wherein the sensor is mounted upon a stator of the electrical machine.

12. (New) The device for measuring the angle of rotation according to Claim 9 wherein the basic body is made of an electrically insulating material permeable to a magnetic field.

B4
cancel

13. (New) The device for measuring the angle of rotation according to Claim 12 wherein the basic body is made of one of a sectionally-magnetized and a completely magnetized magnet.

14. (New) The device for measuring the angle of rotation according to claim 9 wherein each of the at least one magnetized sections includes a magnet mounted in a recess formed in the basic body.

15. (New) The device for measuring the angle of rotation according to claim 14 wherein the basic body is made of plastic.

16. (New) The device for measuring the angle of rotation according to claim 9 wherein the basic body is formed of a magnet.

17. (New) The device for measuring the angle of rotation according to claim 9 wherein the at least one magnetized section is formed of magnetized, electrically insulating material.

18. (New) The device for measuring the angle of rotation according to Claim 9 wherein the basic body is an annular plastic body onto which an annular magnet is fitted.

19. (New) The device for measuring the angle of rotation according to claim 9 wherein the basic body has a plurality of segmented recesses, each of the plurality of segmented recesses having a magnetic segment fitted therein.

20. (New) The device for measuring the angle of rotation according to claim 9 wherein the magnetic segments are each formed by one of molding or sintering.